

2-25-2002

Sheet 1 (A) of 1

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARKS OFFICE		ATTY. DOCKET NO. 01568/1008003	SERIAL NO.								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		FEB 08 1999 U.S. PATENT DOCUMENTS		APPLICANT Mark W. Miles									
(37 CFR 1.98(b))				FILING DATE	GROUP								
EXAMINER INITIAL													
		PATENT NUMBER		ISSUE DATE	PATENTEE								
AM	AA	3	6	5	6	8	3	6	4/1972	de Cremoux et al.	359	261	
AM	AB	4	7	8	6	1	2	8	11/1988	Birnbach	359	245	
AM	AC	5	0	7	8	4	7	9	1/07/92	Vuilleumier	359	290	TO
AM	AD	5	7	8	4	1	9	0	7/21/98	Horley	359	291	
AM	AE	5	8	2	5	5	2	8	10/20/98	Goosen	359	291	10/02/02 10/082397
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE		CLASS	SUBCLASS	TRANSLATION					
								YES	NO				
	AL												
	AM												
	AN												
	AO												
	AP												
RECEIVED FEB 10 1999 GROUP 2100													
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	AQ												
	AR												
	AS												
EXAMINER: <i>Mark W. Miles</i>		DATE CONSIDERED		12/22/03									
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Substitute Disclosure Form (PTO-1449)

1 of 9

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.
01568/008003

SERIAL NO.

APPLICANT
Mark W. Miles

FILING DATE

GROUP

11002 U.S. PTO
10/08/97
02/25/02

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hm	AA	4	7	4	8	3	6	6	05/31/88	Taylor	310	311
hm	AB	5	4	9	7	1	7	2	03/05/96	Doherty et al.	345	85
hm	AC	5	5	0	0	6	3	5	03/19/96	Mott	340	323R
hm	AD	5	6	3	6	0	5	2	06/03/97	Arney et al.	359	291
hm	AE	5	7	1	0	6	5	6	01/20/98	Goossen	359	291
	AF											
	AG											

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES
	AH						NO

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

hm	AI	"Light Over Matters", June 1993, Circle No. 36
hm	AJ	Miles, Mark, W., "A New Reflective FPD Technology Using Interferometric Modulation", Society for Information
hm		Display '97 Digest, Session 7.3
hm	AK	Newsbreaks, "Quantum-trench devices might operate at terahertz frequencies", Laser Focus World May 1993
hm	AL	Winton, John M., "A novel way to capture solar energy", Chemical Week, May 15, 1985
hm	AM	Aratani, K., et al., "Surface micromachined tuneable interferometer array", Sensors and Actuators, 1994,
		pp. 17-23
	AN	

EXAMINER	DATE CONSIDERED
hm	12/22/93
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

2 of 9

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 015681 008065	SERIAL NO.								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Mark W. Miles									
				FILING DATE	GROUP								
U. S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
BM	AA	5	3	1	1	3	6	0	05/10/94	Bloom et al.	359	572	
HM	AB	5	4	0	1	9	8	3	03/28/95	Jokerst et al.	257	82	
	AC	5	4	5	9	6	1	0	10/17/95	Bloom et al.	359	572	
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION						
	AK						YES	NO					
	AL												
	AM												
	AN												
	AO												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	AP												
	AQ												
	AR												
EXAMINER Mai				DATE CONSIDERED 12/22/03									
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 01568/ 068003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT Mark W. Miles		
		FILING DATE		GROUP

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER				ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA										
AB										
AC										
AD										
AE										
AF										
AG										
AH										
AI										
AJ										
AK										

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BM	AL	WO 95/30924	16Nov95	PCT	G02F 1/31			
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AQ		
	AR		
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EXAMINER	DATE CONSIDERED
Mai	12/22/03

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 015681-008003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Mark W. Miles	
				FILING DATE	GROUP
(37 CFR 1.98(b))					

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
hm	AA	5	1	6	8	4	0	6	12/01/92	Nelson	359	855	
hm	AB	5	5	7	9	1	4	9	11/26/96	Moret et al.	359	223	
hm	AC	5	6	1	9	0	5	9	04/08/97	Li et al.	257	431	
hm	AD	4	9	8	2	1	8	4	01/01/91	Kirkwood	345	84	
hm	AE	2	5	3	4	8	4	6	12/19/50	Ambrose et al.	348	270	
hm	AF	3	4	3	9	9	7	3	04/22/69	Paul et al.	359	352	
hm	AG	3	4	4	3	8	5	4	05/13/69	Weiss	359	278	
hm	AH	3	6	5	3	7	4	1	04/04/72	Marks	359	486	
hm	AI	3	8	1	3	2	6	5	05/28/74	Marks	427	473	
hm	AJ	3	9	5	5	8	8	0	05/11/76	Lierke	359	291	
hm	AK	4	0	9	9	8	5	4	07/11/78	Decker et al.	359	278	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ		Akasaka, "Three-Dimensional IC Trends", Proceedings of IEEE, Vol. 74, No. 12, Dec. 1986, pp. 1703-1714.
AR		Aratani, et al., "Process and Design Considerations for Surface Micromachined Beams for a Tunable Inter-
		ferometer Array in Silicon", Proc. IEEE Microelectromechanical Workshop, Florida, Feb. 7-10, 1993, pp. 230.
AS		Conner, "Hybrid Color Display Using Optical Interference Filter Array", SID Digest 1993, pp. 577-580.

EXAMINER	Mat	DATE CONSIDERED
		12/22/03

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 01568/008008	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Mark W. Miles	
				FILING DATE	
(37 CFR 1.98(b))				GROUP	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
bm	BA	4	2	2	8	4	3	7	10/14/80	Shelton	343	909	
bm	BB	4	3	7	7	3	2	4	03/22/83	Durand et al.	359	578	
bm	BC	4	3	8	9	0	9	6	06/21/83	Hori et al.	349	5	
bm	BD	4	4	0	3	2	4	8	09/06/83	te Velde	348	755	
bm	BE	4	4	4	5	0	5	0	04/24/84	Marks	307	145	
bm	BF	4	5	1	9	6	7	6	05/28/85	te Velde	359	223	
bm	BG	4	5	3	1	1	2	6	07/23/85	Sadones	342	173	
bm	BH	4	6	6	3	0	8	3	05/05/87	Marks	252	583	
bm	BI	4	6	8	1	4	0	3	07/21/87	te Velde et al.	349	41	
bm	BJ	4	7	9	0	6	3	5	12/13/88	Apstey	359	260	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	8K							
	BL							
	BM							
	BN							
	BO							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

bm	BP	Goosen, et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1Mbit/sec
		Capability for Fiber-in-the-Loop Appln.", IEEE Photonics Technology Letters, Sept. 1994.
bm	BQ	Goosen, et al., "Possible Display Applications of the Silicon Mechanical Anti-Reflection Switch", Society
		for Information Display, 1994.
bm	BR	Gosch, "West Germany Grabs the Lead in X-Ray Lithography", Electronics, Feb. 5, 1987, pp. 78-80.

EXAMINER	Mar	DATE CONSIDERED
		12/22/83

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 01568/068003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT Mark W. Miles			
		FILING DATE		GROUP	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER					ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hm	CA	5	0	2	2	7	4	5	06/11/91	Zahowski	359	847
hm	CB	5	0	4	4	7	3	6	09/03/91	Jaskie et al.	359	291
hm	CC	5	1	2	4	8	3	4	06/23/92	Cusano et al.	359	291
hm	CD	5	1	5	3	7	7	1	10/06/92	Link et al.	359	286
hm	CE	5	2	3	1	5	3	2	07/27/93	Magel et al.	359	295
hm	CF	5	2	3	3	4	5	9	08/03/93	Bazler et al.	359	230
hm	CG	5	5	0	0	7	6	1	03/19/96	Goosen et al.	359	210
	CH											
	CI											
	CJ											
	CK											

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL							
	CM							
	CN							
	CO							
	CP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

hm	CQ	Howard, "Nanometer-Scale Fabrication Techniques", VLSI Electronics: Microstructure Science, Vol. 5,
		pp. 145-153, pp. 166-173, 1982.
hm	CR	Jackson, "Classical Electrodynamics", John Wiley & Sons Inc., pp. 568-573.
hm	CS	Jerman et al., "A Miniature Fabry-Perot Interferometer with a Corrugated Silicon Diaphragm Support",
		Sensors and Actuators A., Vol. 29, pp. 151, 1991.

EXAMINER	DATE CONSIDERED
Mar	12/22/03

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 01568/008003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Mark W. Miles	
				FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER			ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA									
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	DK									

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JW	DO	Johnson, "Optical Scanners", Microvavive Scanning Antennas, Vol. 1, pp. 251 et seq.			
JW	DR	Oliner, "Radiating Elements and Mutual Coupling", Microwave Scanning Antennas, Vol. 2, p. 131 et seq.			
JW	DS	Raley et al., "A Fabry-Perot Microinterferometer for Visible Wavelengths", IEEE Solid-State Sensor and Actuator Workshop, June 1991, Hilton Head, SC			

EXAMINER

Mark

DATE CONSIDERED

12/24/03

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 01568/ 008003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT Mark W. Miles	
		FILING DATE	GROUP

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EA							
EB							
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EF							
EG							
EH							
EI							
EJ							
EK							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	EL							
	EM							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

EA	EN	Sperger, et al., "High Performance Patterned All-Dielectric Interference Colour Filter for Display Appln.", SID Digest, 1994.
EO	EO	Stone, "Radiation and Optics, An Introduction to the Classical Theory", McGraw-Hill, pp. 340-343.
EP	EP	Walker, et al., "Electron-beam-tunable Interference Filter Spatial Light Modulator", Optics Letter Vol. 13, No. 5., p. 345, 1988.
EQ	EQ	Wu, "Design of a Reflective Color LCD Using Optical Interference Reflectors", ASIA Display '95, October 16, pp. 929-931.

EXAMINER

Mark

DATE CONSIDERED

12/22/03

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

7/03/03

1 of 2

Substitut for Form 1449A/PTO (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				Complete If Known	
				Application Number	10/082,397
				Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
				Examiner Name	Not yet assigned
Sheet	1	of	2	Attorney Docket Number	05652.P013XCD

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
bm		3,725,868		Malmer, Jr. et al.	04-02-1973	
bm		4,196,396		Smith	04-01-1980	
bm		4,459,182		te Velde	07-10-1984	
bm		4,937,496		Neiger et al.	06-26-1990	
bm		5,136,669		Gerdt	08-04-1992	
bm		5,142,414		Koehler	08-25-1992	
bm		5,228,013		Bik	07-13-1993	
bm		5,324,683		Fitch et al.	06-28-1994	
bm		5,326,430		Cronin et al.	07-05-1994	
bm		5,345,328		Fritz et al.	09-06-1994	
bm		5,381,232		van Wijk	01-10-1995	
bm		5,526,327		Cordova, Jr.	06-11-1996	
bm		5,552,925		Worley	09-03-1996	
bm		5,629,790		Neukermans et al.	05-13-1997	
bm		5,633,652		Kanbe et al.	05-01-1997	
bm		5,638,084		Kalt	06-10-1997	
bm		5,636,185		Brewer et al.	06-03-1997	
bm		5,638,946		Zavracky	06-17-1997	
bm		5,641,391		Hunter et al.	06-24-1997	
bm		5,673,139		Johnson	09-30-1997	
bm		5,683,591		Offenberg	11-04-1997	
bm		5,959,763		Bozler et al.	09-28-1999	
bm		5,986,796		Miles	11-16-1999	
bm		6,040,937		Miles	03-01-2000	
bm		6,055,090		Miles	04-25-2000	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
bm		EPO	0,667,548	A1	AT & T Corp.	8/16/95		
bm		JP	405,275,401	A1	Ikeda	10/22/93		

Examiner Signature	Mon	Date Considered	12/13/03
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

2 of 2

Substitut for Form 1449A/PTO (Modified)				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/082,397
Sh t	2	of	2	Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
				Examiner Name	Not yet assigned
				Attorney Docket Number	05652.P013XCD
OTHER ART – NO PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
bm		Science and Technology, The Economist, May 22, 1999, pp. 89-90.			
bm		Fan et al., "Channel Drop Filters in Photonic Crystals," Optics Express, Vol. 3, No. 1, 1998.			
bm		Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its Use in Lightwave Subsystems," IEEE Journal.			
bm		Joannopoulos et al., Photonic Crystals, "Molding the Flow of Light," copyright 1995.			
bm		Kim et al. "Control of Optical Transmission Through Metals Perforated With Subwave-length Hole Arrays," Optic Letters, Vol. 24, No. 4, February 15, 1999, pp. 256-257.			
bm		Lin et al., "Free-Space Micromachined Optical Switches for Optical Networking," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp. 4-9.			
bm		Little et al., "Vertically Coupled Microring Resonator Channel Dropping Filter," IEEE Photonics Technology Letters, Vol. 11, No. 2, 1999.			
bm		Magel, "Integrated Optic Devices Using Micromachined Metal Membranes," SPIE Vol. 2686, 0-8194-2060-3/1996.			
bm		Nagami et al., "Plastic Cell Architecture: Towards Reconfigurable Computing For General-Purpose," IEEE, 0-8186-8900 -5/98, pp. 68-77.			
bm		Zhou et al., "Waveguide Panel Display Using Electromechanist Spatial Modulators" SID Digest, Vol. XXIX, 1998.			

Examiner Signature	Mark	Date Considered	12/13/03
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/082,397
Sheet	1	of	2	Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group, Art Unit	2873
				Examiner Name	Not yet assigned
				Attorney Docket Number	05652.P013XCD

U.S. PATENT DOCUMENTS					
Exam. Initial*	Cite No.*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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		3,725,868		Malmer, Jr. et al.	04-02-1973
		4,196,396		Smith	04-01-1980
		4,459,182		te Velde	07-10-1984
		4,937,496		Neijer et al.	06-26-1990
		5,136,669		Gerd	08-04-1992
		5,142,414		Koehler	08-25-1992
		5,228,013		Blk	07-13-1993
		5,324,683		Fitch et al.	06-28-1994
		5,326,430		Cronin et al.	07-05-1994
		5,345,328		Fritz et al.	09-06-1994
		5,381,232		van Wijk	01-10-1995
		5,626,327		Cordova, et al.	06-11-1996
		5,552,925		Worley	09-03-1996
		5,629,790		Neukermans et al.	05-13-1997
		5,633,652		Kanba et al.	05-01-1997
		5,638,084		Kal	06-10-1997
		5,636,185		Brewer et al.	06-03-1997
		5,638,946		Zavacky	06-17-1997
		5,641,391		Hunter et al.	06-24-1997
		5,673,139		Johnson	09-30-1997
		5,683,591		Ottenberg	11-04-1997
		5,959,763		Bozler et al.	09-28-1999
		5,986,796		Miles	11-16-1999
		6,040,937		Miles	03-01-2000
		6,055,090		Miles	04-25-2000

FOREIGN PATENT DOCUMENTS						
Exam. Initial*	Cite No.*	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Office ³	Number	Kind Code ⁴ (If known)		
		EPO	0,667,548	A1	AT & T Corp.	8/16/95
		JP	405,275,401	A1	Ikeda	10/22/93

Examiner Signature		Date Considered	
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				Application Number	10/082,397	
				Filing Date	August 6, 2002	
				First Named Inventor:	Mark W. Miles	
				Group Art Unit	2873	
				Examiner Name	Not yet assigned	
Sheet	2	of	2	Attorney Docket Number	05652.P013XCD	
OTHER ART – NO PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T ²
		Science and Technology, The Economist, May 22, 1999, pp. 89-90.				
		Fan et al., "Channel Drop Filters In Photonic Crystals," Optics Express, Vol. 3, No. 1, 1998.				
		Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its Use in Lightwave Subsystems," IEEE Journal.				
		Joannopoulos et al., Photonic Crystals, "Molding the Flow of Light," copyright 1995.				
		Kim et al. "Control of Optical Transmission Through Metals Perforated With Subwave-length Hole Arrays," Optic Letters, Vol. 24, No. 4, February 15, 1999, pp. 256-257.				
		Lin et al., "Free-Space Micromachined Optical Switches for Optical Networking," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp. 4-9.				
		Little et al., "Vertically Coupled Microring Resonator Channel Dropping Filter," IEEE Photonics Technology Letters, Vol. 11, No. 2, 1999.				
		Magel, "Integrated Optic Devices Using Micromachined Metal Membranes," SPIE Vol. 2686, 0-8194-2060-3/1996.				
		Nagami et al., "Plastic Cell Architecture: Towards Reconfigurable Computing For General-Purpose," IEEE, 0-8186-8900 -5/98, pp. 68-77.				
		Zhou et al., "Waveguide Panel Display Using Electromechanist Spatial Modulators" SID Digest, Vol. XXIX, 1998.				

Examiner Signature	Date Considered
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